

FIGURE 1

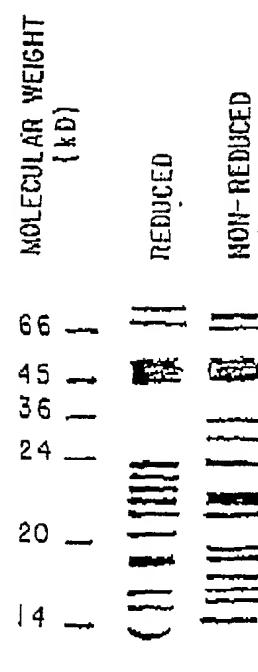


FIGURE ■ 2

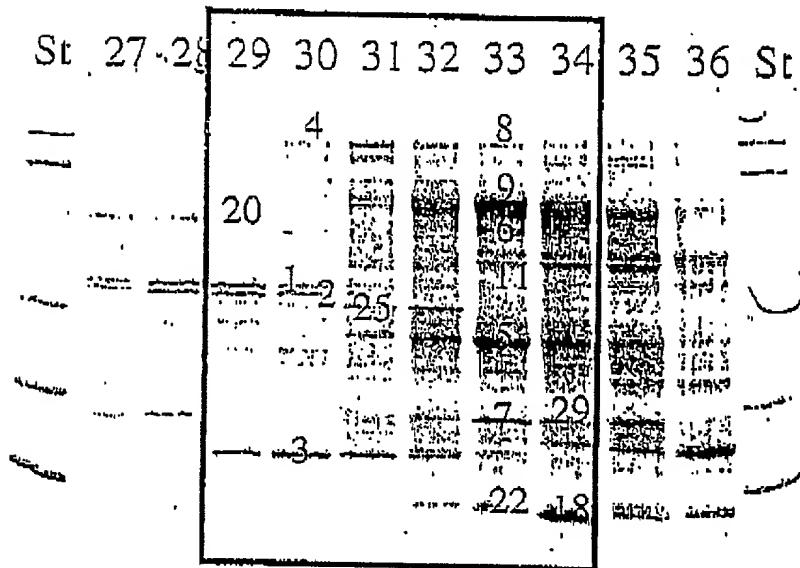
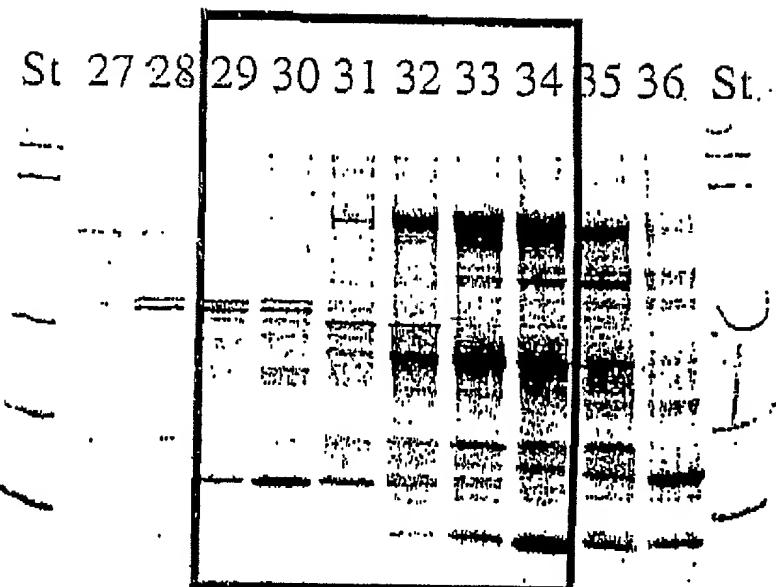
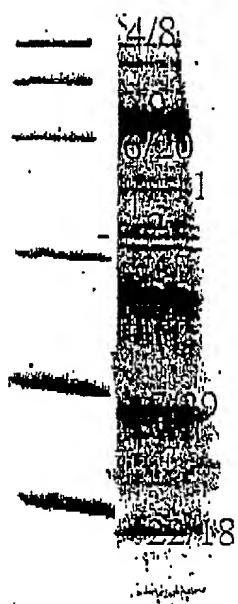


FIGURE ■ 3

St BP



| Band No. | Identity |
|----------|--------------------------------------|
| 1 | histone H1.c |
| 2 | histone H1.c |
| 3 | ribosomal protein RS20 |
| 4 | similar to ribosomal protein LORP |
| 5 | BMP-3 |
| 6 | α 2 macroglobulin RAP & BMP-3 |
| 7 | similar to ribosomal protein LORP |
| 8 | BMP-3 |
| 9 | BMP-3 |
| 11 | ribosomal protein RL6 & BMP-3 |
| 13 | TGF- β 2/SPP24 |
| 20 | Factor H |
| 22 | TGF- β 2 |
| 25 | BMP-3 & H1.x |
| 29 | BMP-3 & ribosomal protein RL32 |

FIGURE 4

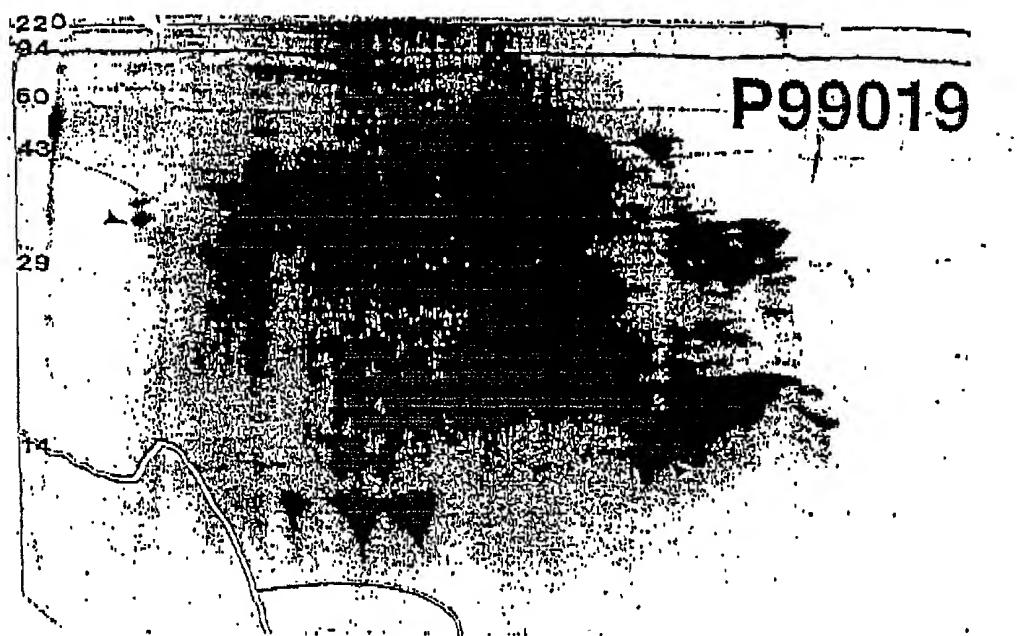
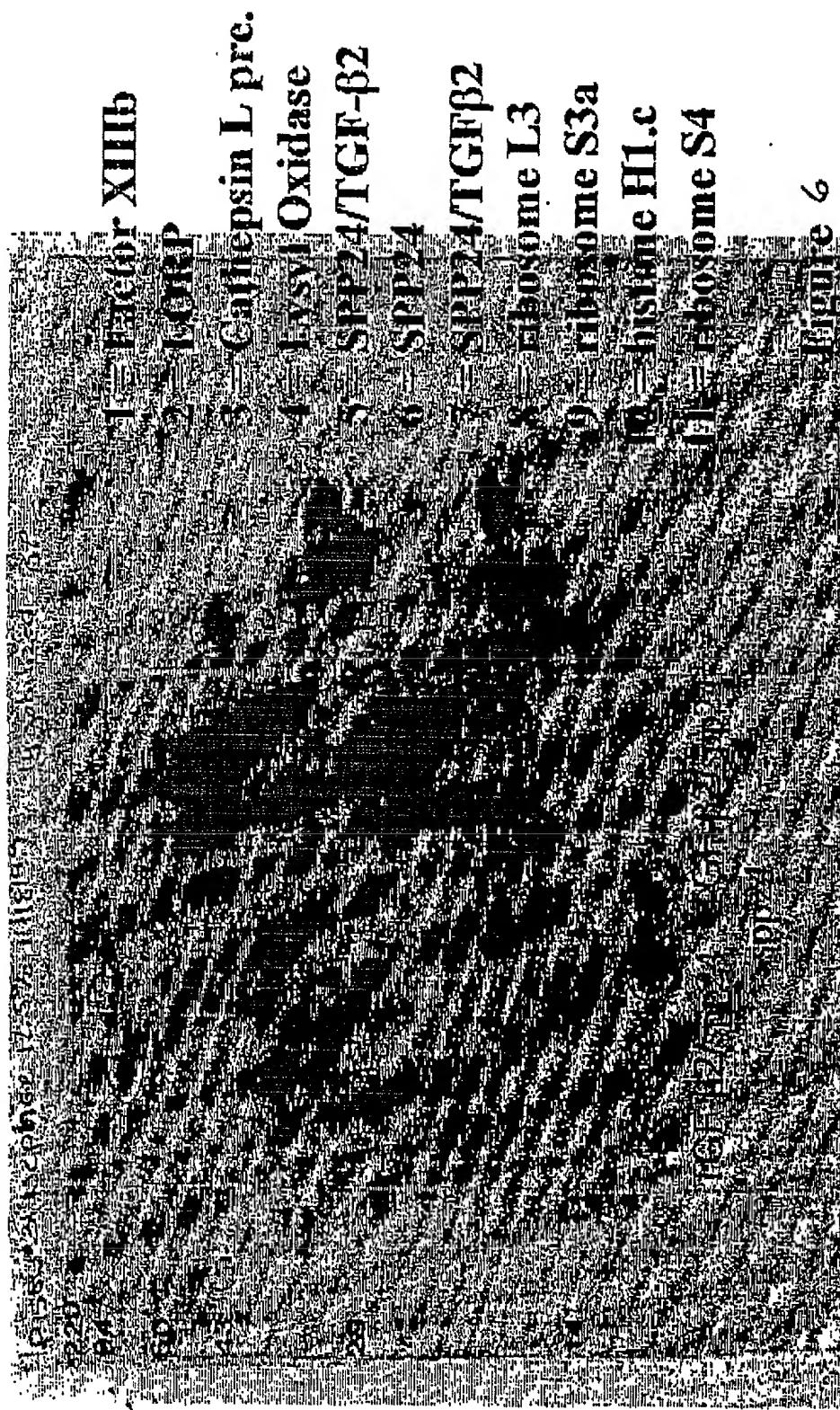


FIGURE 5



6
3

Figure 3A. (Band 1)

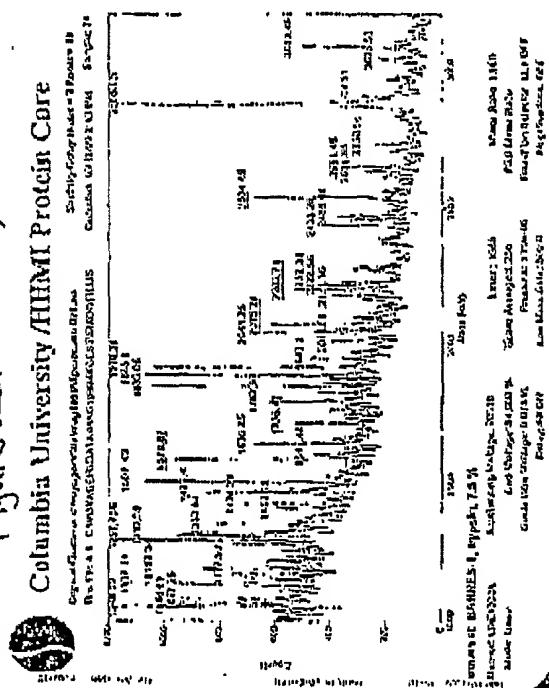
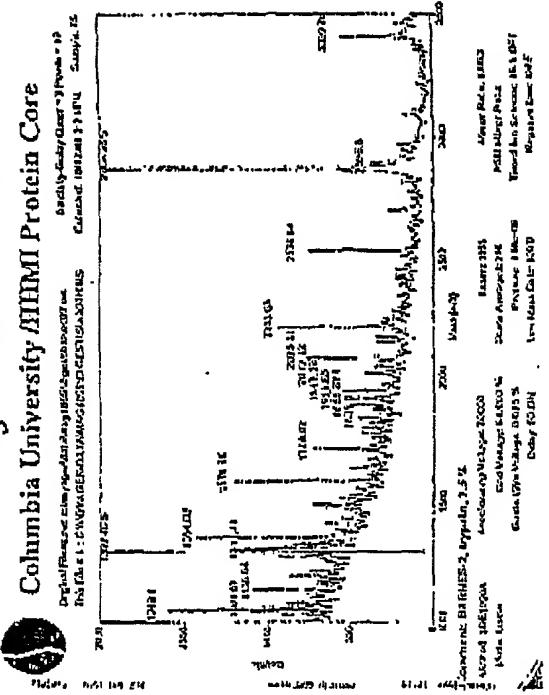
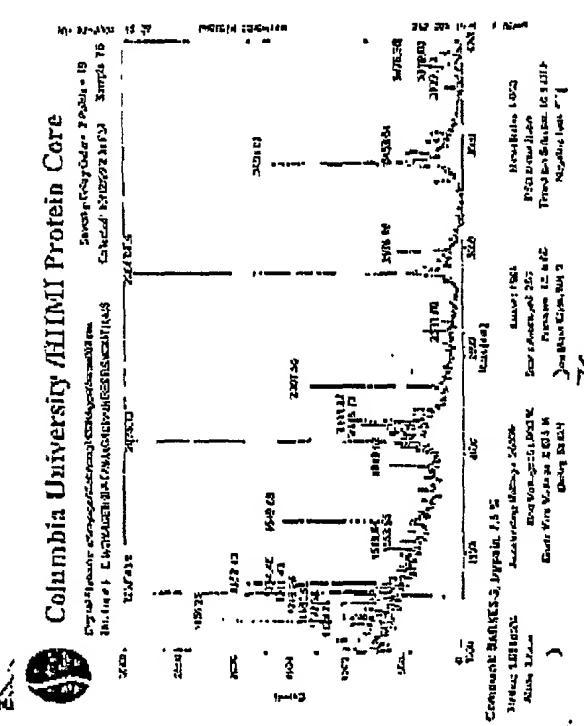


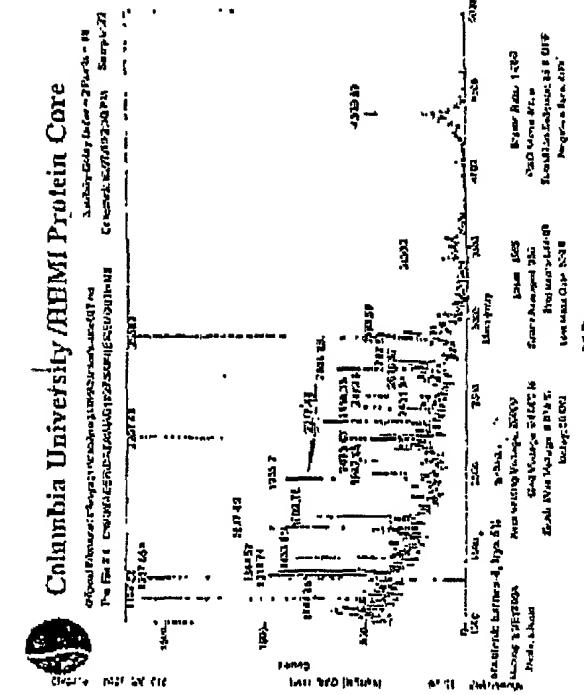
Figure 7B (Band 2)



Columbia University NIMI Protein Core



Columbia University / HEMI Protein Core



4D (Band 4)

Figure 7c (Panel 2)

Figure 5 (Band 5)

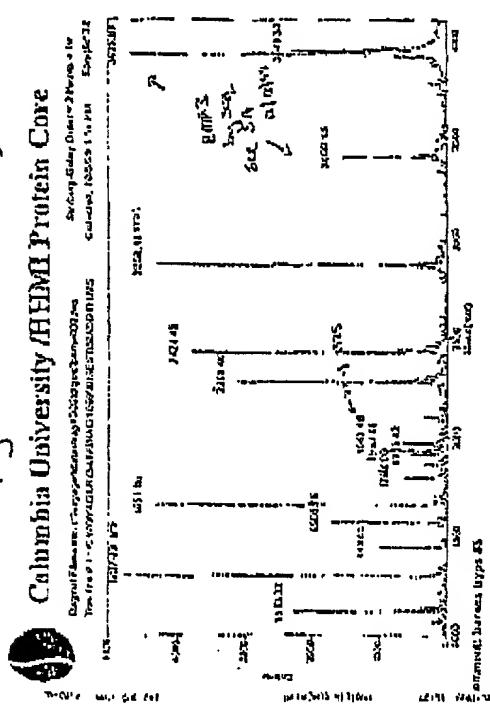
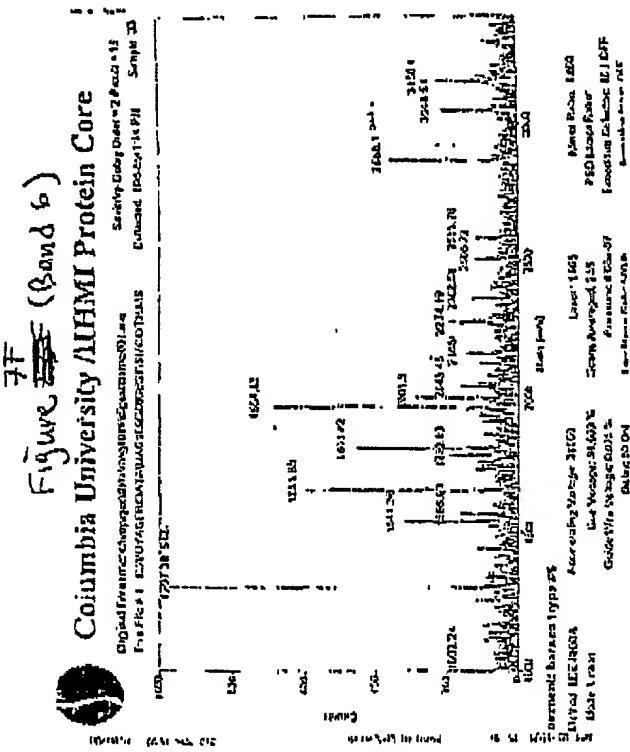
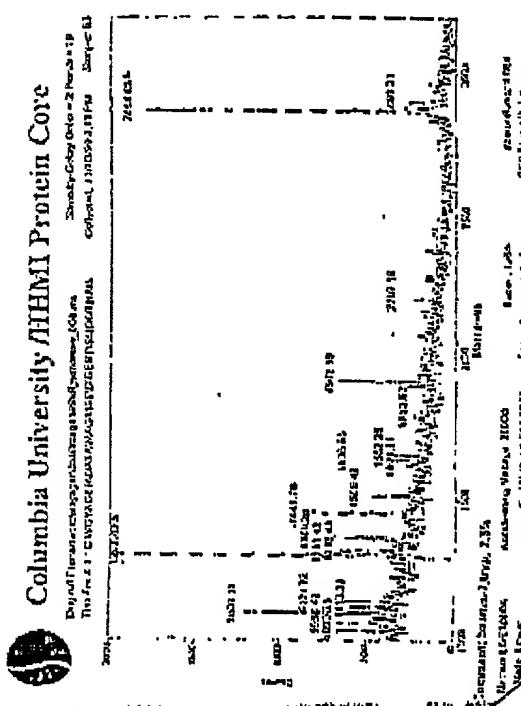


Figure 7F (Panel a)



Columbia University NIHMI Protein Core



Columbia University / HHMI Protein Core

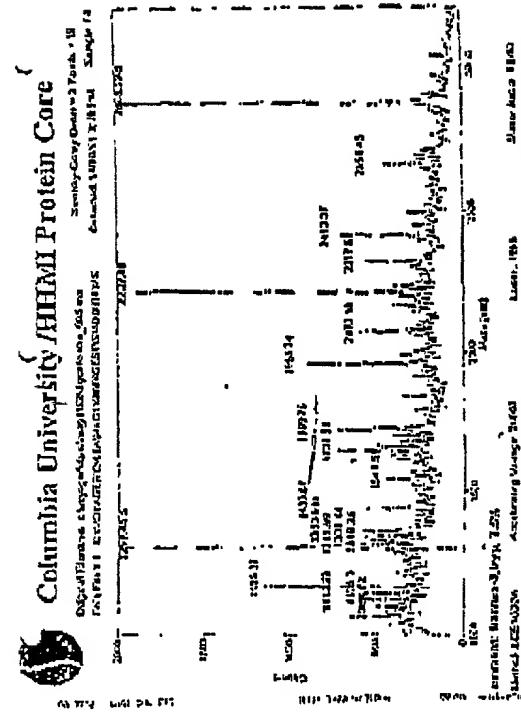


Figure 7 (cont'd)

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Figure 71 (cont'd a)

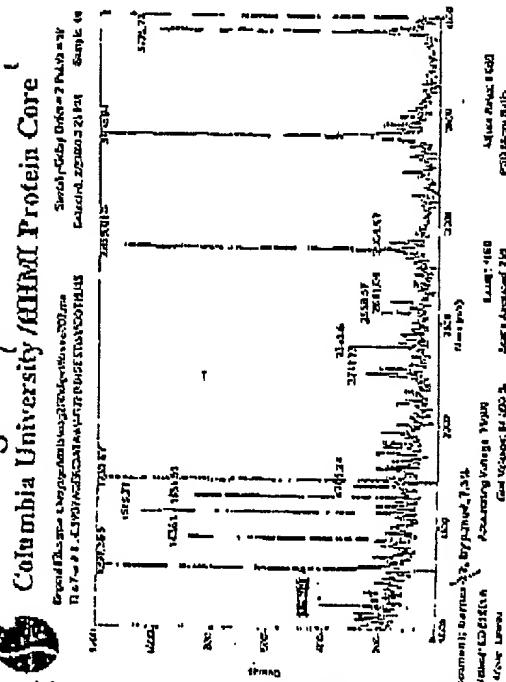
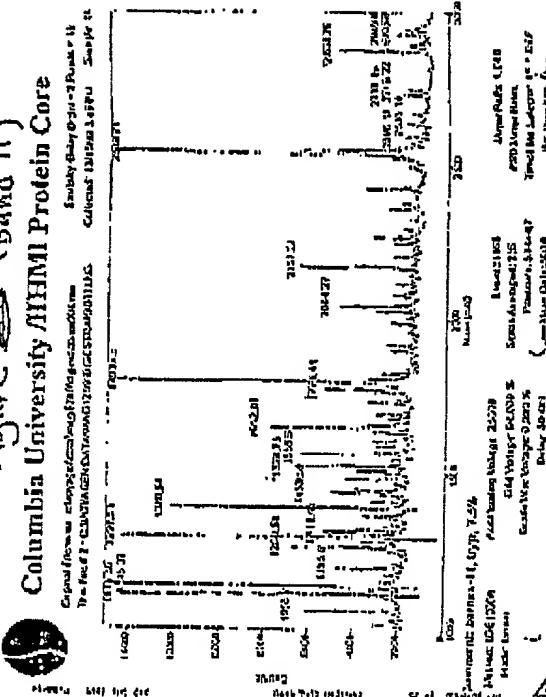
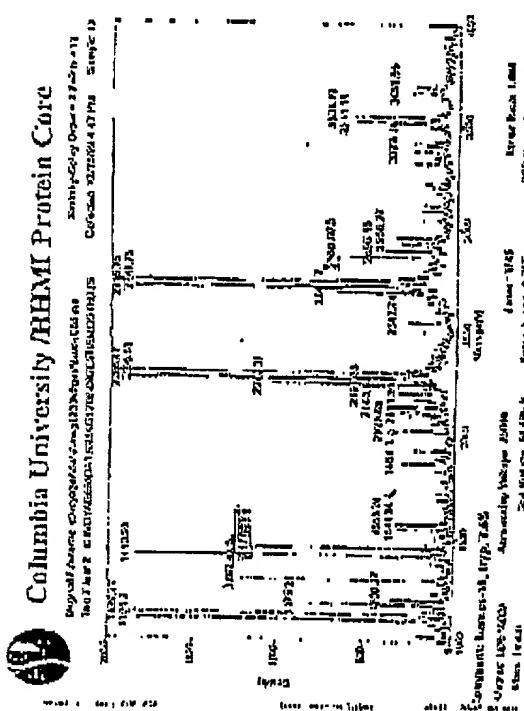


Figure 7.5 (Band 11)
a University of Miami Protein Core



Columbia University / HPHM Protein Core



Columbia University / HERCII Protein Core

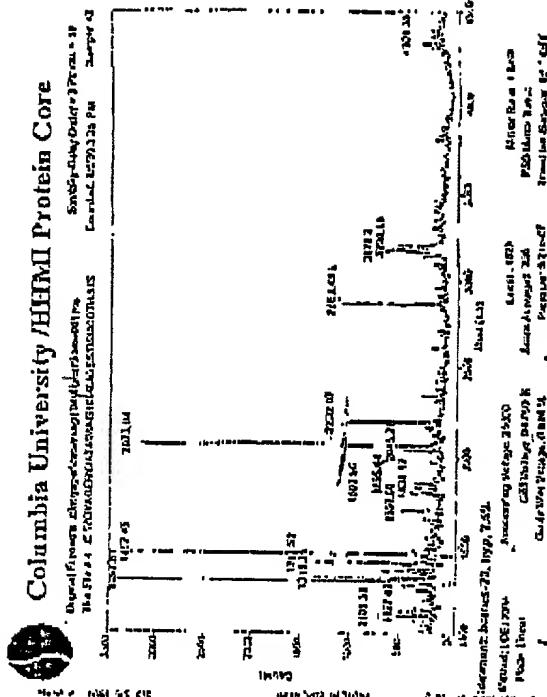


Figure 12 (Panel 18)

Figure 21 (Band 20)

Figure ~~TM~~ (Band 22)

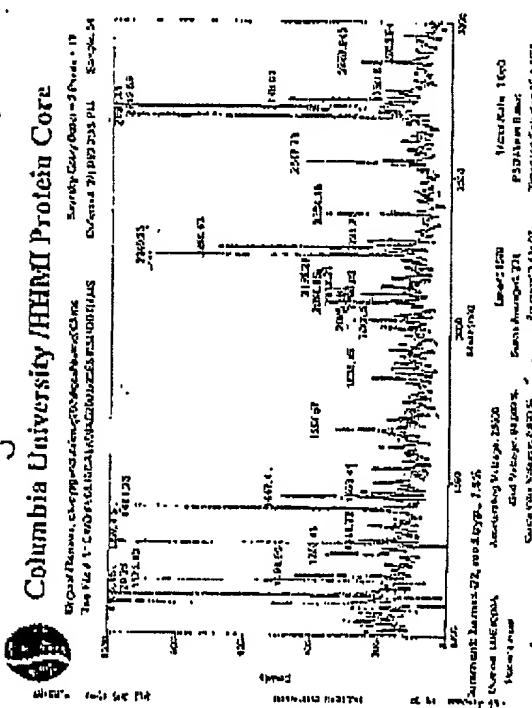


Figure ~~7N~~ (Band 25)

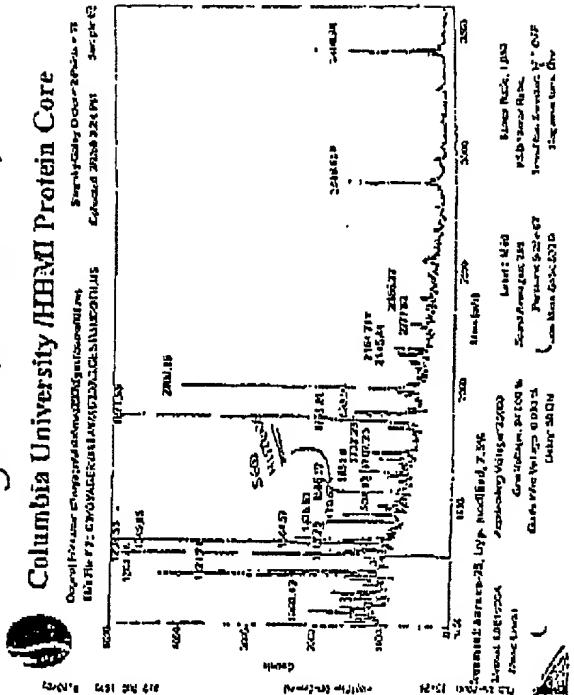


Figure 70 (Band 29)  Importance

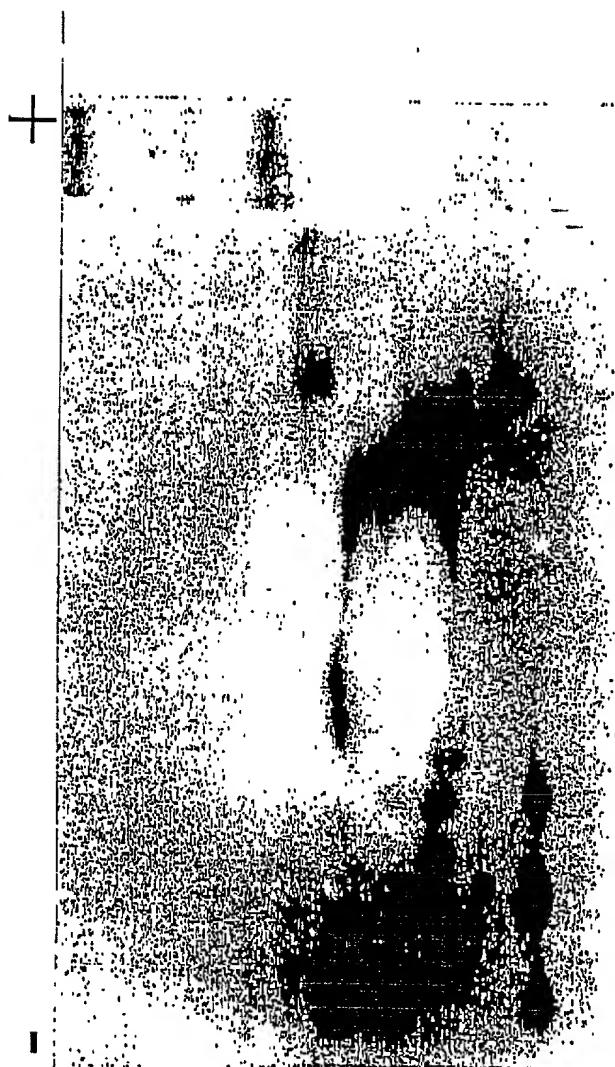


FIGURE 8

52

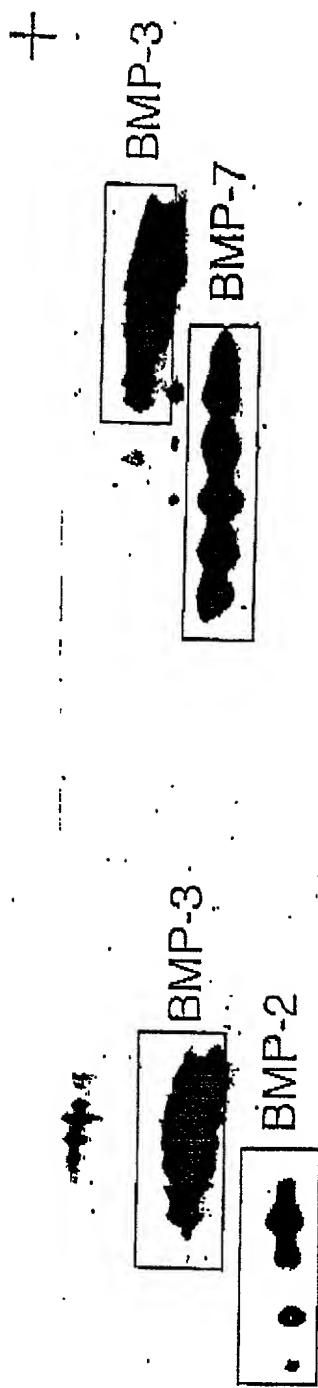


FIGURE 9A

FIGURE 9B



FIGURE 9C

FIGURE 9D

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FIGURE 10

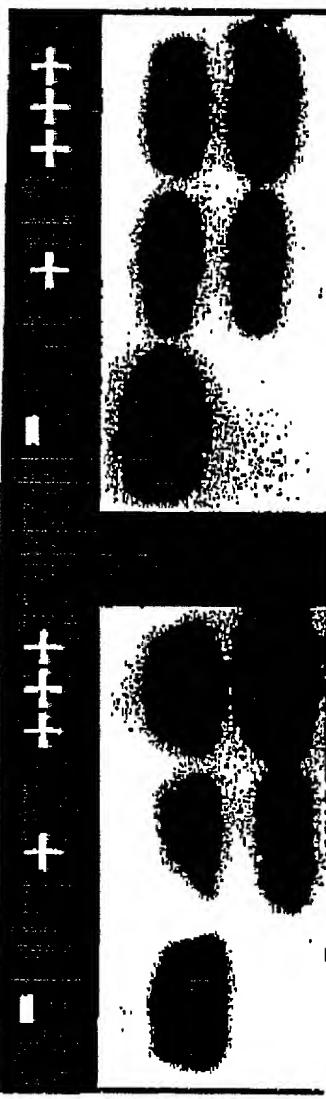
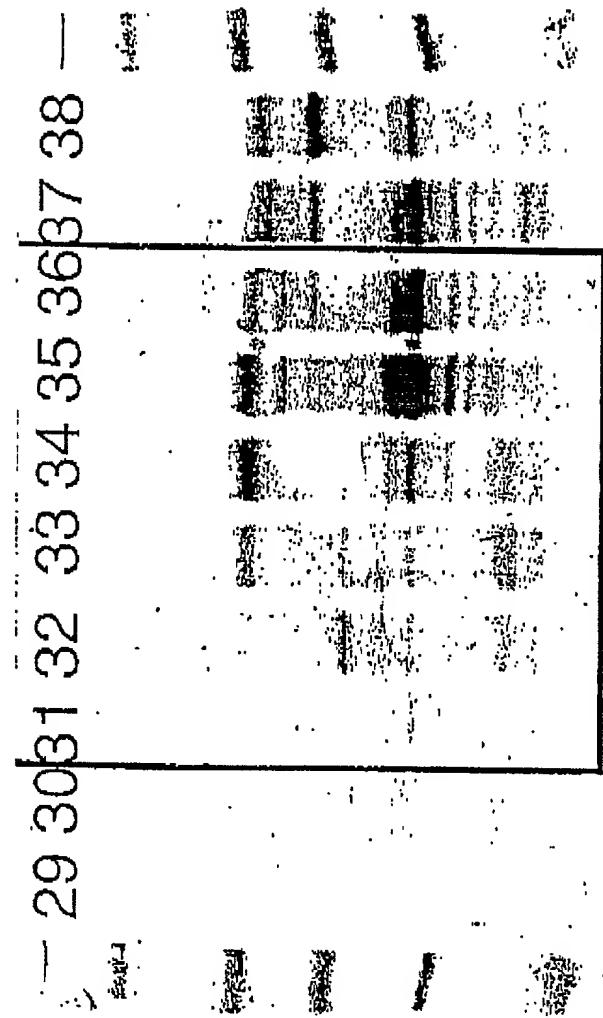


FIGURE 11

FIGURE 12

FIGURE 22 13A

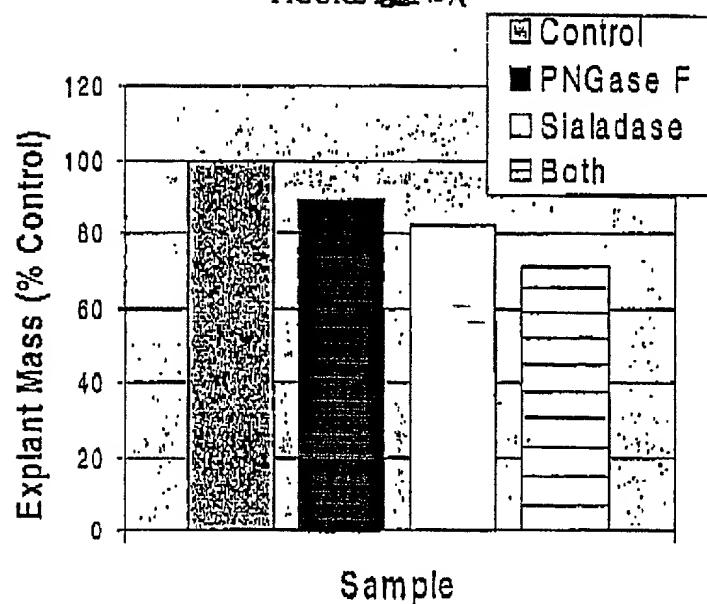


Figure 14 Antibody Listing

| Specificity | Antigen | Host Species | PCM/C | Source | Catalog No. |
|----------------------------|---------|--------------|------------|--------------------------|-------------|
| TGF- β 1 (human) | Protein | Rabbit | Polyclonal | Promega | GI1221 |
| TGF- β 2 (human) | Peptide | Rabbit | Polyclonal | Santa Cruz Biotechnology | sc-90 |
| TGF- β 3 (human) | Peptide | Rabbit | Polyclonal | Santa Cruz Biotechnology | sc-82 |
| BMP-2 (human) | Protein | Rabbit | Polyclonal | Austral Biologics | PA-513-9 |
| BMP-3 (human) | Peptide | Chicken | Polyclonal | Research Genetics | NA |
| BMP-4 (human) | Peptide | Goat | Polyclonal | Santa Cruz Biotechnology | sc-6896 |
| BMP-5 (human) | Peptide | Goat | Polyclonal | Santa Cruz Biotechnology | sc-7405 |
| BMP-6 (human) | Peptide | Mouse | Monoclonal | Novocastra Laboratories | NCL-BMP6 |
| BMP-7 (human) | Peptide | Rabbit | Polyclonal | Research Genetics | NA |
| IGF-1 (human) | Peptide | Goat | Polyclonal | Santa Cruz Biotechnology | sc-1884 |
| osteonectin (bovine) | Protein | Mouse | Monoclonal | DSHB | AON-1 |
| osteocalcin (bovine) | Protein | Rabbit | Polyclonal | Accurate Chemicals | A761/R11 |
| serum albumin (bovine) | Protein | Rabbit | Polyclonal | Chemicon International | AB870 |
| transferin (human) | Protein | Chicken | Polyclonal | Chemicon International | AB797 |
| apo-A1 lipoprotein (human) | Protein | Goat | Polyclonal | Chemicon International | AB740 |

Figure 15A Identification of Proteins by Amino Acid Sequencing of Tryptic Fragments from 1D Gels

| Band | Sample | Sequence Data | Best Database Match | Match Identification | Species | Acc. No. | Ref. |
|-------------------|------------------------|-------------------------|--|---------------------------------|--------------------|--------------------|---------|
| 1 | | | | | | | |
| 2 | fx 49 (1579) | XLAAAGYDVEK | ALAAAGYDVEK | 11/11 histone H1.c | human | 675668 (NCBI) | 65-75 |
| 3 | fx 67 (1346) | SLEKVCADLIR | SLEKVCADLIR | 11/11 40s Ribosomal Protein S20 | rat | R3RT2D (PIR) | 31-41 |
| 4 | fx 65 0 | (Y)VCGMLGFPEEARV | WVCGMLGFPEKRV | 11/14 LORP | mouse | AAC9533H (NCBI) | 213-228 |
| 5 | N-terminal seq | STGVLPLQNLNPQ | STGVLPLQNLNPQ | 15/15 BMP-3 | human | 4557371 (NCBI) | 290-304 |
| 6x 72 (3825) | STGVLPLQNLPGAA EYQY | STGVLPLQNLPGAA AEYQY | 20/20 BMP-3 | human | 4557371 (NCBI) | 290-309 | |
| fx 74 (3409) | STGVLPLQ | STGVLPLQ | 9/9 BMP-3 | human | 4557371 (NCBI) | 290-298 | |
| 6 | fx 55 (1586) | (S)QTLQFQE | SQTLQFDE | 7/6 BMP-3 | human | 4557371 (NCBI) | 346-353 |
| fx 47 | WYAF | no match | | 7/7 | | | |
| N-terminal seq | HAGKYSREKNTV(P)AP] | [HEGKYSREKNTV(P)AP | 11/14 α 2-Macroglobulin Receptor Assoc. Pro. | human | P3053 (Swiss-Pro) | 31-46 | |
| fx 57 (1438) | SQTLQFDEQ | SQTLQFDEQ | 9/9 BMP-3 | human | 4557371 (NCBI) | 346-354 | |
| fx 57 (1852) | SLKPSNHA | SLKPSNHA | 8/8 BMP-3 | human | 4557371 (NCBI) | 410-417 | |
| 7 | fx 51 (1093) | AALRPLVCP | AALRPLVCP | 9/9 60s Ribosomal Protein L32 | mouse | P17832 (Swiss-Pro) | 1-8 |
| fx 37 (no MS) | A(I)(Q)VERYV | AVER | 5/5 60s Ribosomal Protein L32 | mouse | P17832 (Swiss-Pro) | 109-113 | |
| fx 37 (no MS) | A(I)(Q)VERYV | HQSDRYV | 5/7 60s Ribosomal Protein L32 | mouse | P17832 (Swiss-Pro) | 22-23 | |
| 8 | fx 78 0 | XALFGIAQGXALGPI | no match | 7/7 | | | |
| 9 | fx 56 (1557) | SQTLQFDEQT | SQTLQFDEQT | 10/10 BMP-3 | human | P12645 (Swiss-Pro) | 346-355 |

Figure 15B Identification of Proteins by Amino Acid Sequencing of Tryptic Fragments from 1D Gels

| Band | Sample | Sequence Data | Best Database Match | Match Identification | Species | Acc. No. | AAs | |
|---------------------|-----------------|----------------|---------------------|--------------------------|--------------|-----------------------|-----------------------|-------|
| 11 | fx 55 (131) | SQTLXLF | SQTLQF | 5/6 | BMP-3 | human | 4557371 (NCBI) | |
| fx 47 (171) | MATVTKPVGDK | VLATVTKPVGDK | 13/13 | 60s Ribosomal Protein L6 | human | Q02878 (Swiss-Pro) | 67-93 | |
| fx 76 (175) | xMFAL | MFAL | 4/4 | 60s Ribosomal Protein L6 | human | Q02878 (Swiss-Pro) | 273- | |
| fx 51 (1145) | AVPQLQGVLR | AVPQLQGVLR | 9/10 | 60s Ribosomal Protein L6 | human | Q02878 (Swiss-Pro) | 276 | |
| 1B | | | | | | | | |
| 22 | fx 58 (1101) | ALDAAYCFR | ALDAAYCFR | 9/9 | TGF-β2 | human | P08112 (Swiss-Pro) | |
| fx 69 (no match) | GYNANFCAGACPYL | GYNANFCAGACPYL | 14/14 | TGF-β2 | human | P08112 (Swiss-Pro) | 303-311 | |
| fx 66 (1411.71) | WNSQSLSPY | WNSQSLSPY | 9/9 | SPP24 | bovine | Q27967 (Swiss-Pro) | 340-353 | |
| 25 | fx 39 (1470) | KAAKPSV(P) | KAAKPSV(P) | 8/8 | Histone H1.x | human | JG4928 (PIR) | 42-50 |
| 29 | | | | | | | 199-206 | |

fx = fraction number (molecular weight of fragment, as measured by SDS-PAGE)

Figure 1A Identification of Proteins by Mass Spectrometry of Tryptic Fragments from 1D Gels

| Band | Mass Spec Profile | Species | Acc. No. | Mass Spec Data | Mass Spec Database | Mass Difference | AAs | % Coverage | Comments |
|------|-------------------------------------|---------|----------------------|----------------|--------------------|-----------------|---------|------------|--|
| 1 | 4 peaks match with histone H1.c | human | 87668 (NCBI) | 1172.97 | 1172.37 | 0.60 | 110-121 | 22 | 15 MS peaks match with Band 2 |
| | | | | 1579.87 | 1579.71 | 0.16 | 55-79 | | |
| | | | | 1703.47 | 1707.89 | 0.53 | 64-79 | | |
| | | | | 2011.58 | 2012.32 | -0.74 | 35-54 | | |
| 2 | 3 peaks match with histone H1.c | human | 87668 (NCBI) | 1579.76 | 1579.71 | 0.05 | 65-79 | 16 | Identification of started peptide confirmed by sequence analysis |
| | | | | 1708.02 | 1707.89 | 0.13 | 64-79 | | |
| | | | | 2012.12 | 2012.32 | -0.20 | 35-54 | | |
| 3 | 7 peaks match with ribosome S20 | rat | R3R120 (PIR) | 1129.76 | 1129.40 | 0.36 | 50-59 | 62 | 15 MS peaks match with Band 1 |
| | | | | 1156.21 | 1156.30 | -0.09 | 76-83 | | |
| | | | | 1334.46 | 1334.62 | -0.16 | 58-66 | | |
| | | | | 1352.13 | 1351.53 | 0.59 | 88-99 | | |
| | | | | 1518.84 | 1517.77 | 0.27 | 8-21 | | |
| | | | | 1919.02 | 1919.19 | -0.17 | 5-21 | | |
| | | | | 3404.02 | 3404.87 | -0.85 | 88-119 | | |
| 4 | 3 peaks match with Lysyl Oxidase RP | human | NP002309 (Swiss-Pro) | 1907.95 | 1906.27 | -0.52 | 150-167 | 8 | 12 MS peaks match with Band 3 |
| | | | | 2410.35 | 2410.63 | -0.28 | 640-669 | | |
| | | | | 2610.57 | 2610.10 | 0.47 | 455-478 | | |

Figure 16B Identification of Proteins by Mass Spectrometry of Tryptic Fragments from 1D Gels

| Band | Mass Spec Profile | Species | Acc. No. | Mass Spec Data | Mass Spec Database | Mass Difference | AAs | % Coverage | Comments |
|------|---|---------|----------------------|----------------|--------------------|-----------------|----------|------------|---|
| 5 | 9 peaks match with BMP-3 | human | 4557371 (NCBI) | 1113.32 | 1113.31 | 0.01 | 361-365 | 48 | % coverage calculation is relative to the mature BMP-3, 183 AAs (290-472) |
| | | | | 1438.53 | 1438.58 | -0.05 | 346-357 | | |
| | | | | 1586.76 | 1586.76 | 0.00 | 345-357 | | |
| | | | | 1651.91 | 1651.91 | -0.05 | 410-424 | | |
| | | | | 1794.09 | 1794.02 | 0.07 | 346-359 | | |
| | | | | 2268.46 | 2268.63 | -0.17 | 374-392 | | |
| | | | | 2424.45 | 2424.41 | -0.36 | 373-392 | | |
| | | | | 3409.15 | 3407.77 | 1.38 | 284-318* | | |
| | | | | 10102.24 | 10102.15 | 0.09 | 283-290 | 17 | |
| 6 | 3 peaks match with α 2-Macroglobulin RAP | human | P30533 (Swiss-Prote) | | | | | | Identification of stained peptide confirmed by sequence analysis |
| | | | | 2362.58 | 2362.43 | 0.15 | 129-150 | | |
| | | | | 3040.51 | 3048.52 | -0.01 | 257-282 | | |
| | | | | 1586.93 | 1586.75 | 0.18 | 346-357 | 15 | |
| | | | | 1651.88 | 1651.91 | -0.03 | 410-424 | | |
| 7 | 2 peaks match with BMP-3 | human | 4557371 (NCBI) | | | | | | % coverage calculation is relative to the mature BMP-3, 183 AAs (290-472) |
| | | | | | | | | | |

Figure 16C Identification of Proteins by Mass Spectrometry of Tryptic Fragments from 1D Gels

| Band | Mass Spec Profile | Species | Access. No. | Mass Spec Data | Mass Database | Mass Difference | AAs | % Coverage | Comments |
|------|--------------------------------------|---------|----------------------|----------------|---------------|-----------------|---------|------------|---|
| 7 | 4 peaks match with ribosome L32 | mouse | P17832 (Swiss-Pro) | 1033.25 | 1033.17 | 0.08 | 67-75 | 33 | |
| | | | | 1098.31 | 1063.40 | -3.03 | 1-10* | | |
| | | | | 1134.72 | 1134.28 | 0.44 | 65-74 | | |
| | | | | 1449.78 | 1449.68 | 0.12 | 19-29 | | |
| | 5 peaks match with BMP-3 | human | 4557371 (NCBI) | 1050.42 | 1060.20 | 0.22 | 102-111 | 21 | % coverage calculation is relative to the mature BMP-3, 163 AAs (291-472) |
| | | | | 1113.39 | 1113.31 | 0.08 | 361-363 | | |
| | | | | 1360.28 | 1360.58 | -0.32 | 180-200 | | |
| | | | | 1652.28 | 1651.91 | 0.37 | 410-424 | | |
| | | | | 1793.62 | 1794.02 | -0.40 | 346-360 | | |
| B | 1 peak matches with Lysyl Oxidase RP | human | NP002309 (Swiss-Pro) | 2410.37 | 2410.63 | -0.26 | 645-659 | 3 | 12 MS peaks match with Band 4 |
| | | | | | | | | | |
| 9 | 6 peaks match with BMP-3 | human | 4557371 (NCBI) | 1113.14 | 1113.31 | -0.17 | 361-368 | 36 | % coverage calculation is relative to the mature BMP-3, 163 AAs (291-472) |
| | | | | 1438.60 | 1438.58 | 0.02 | 346-357 | | |
| | | | | 1566.77 | 1566.76 | 0.01 | 345-357 | | |
| | | | | 1651.01 | 1651.01 | 0.30 | 410-424 | | |
| | | | | 2901.67 | 2901.19 | 0.48 | 41-56 | | |
| | | | | 3408.94 | 3407.77 | 1.17 | 290-318 | | |

Figure 16D Identification of Proteins by Mass Spectrometry of Tryptic Fragments from 1D Gels

| Band | Mass Spec Profile | Species | Acc. No. | Mass Spec Data | Mass Database | AAs | % Cover-age | Comments |
|------|--------------------------------|---------|---------------------|----------------|---------------|-------|-------------|--|
| 11 | 5 peaks match with BMP-3 | human | 4557371 (NCBI) | 1113.23 | 1113.31 | -0.08 | 361-368 | 48 % coverage calculation is relative to the mature BMP-3, 1B3 AAS [290-412] |
| | | | | 1651.73 | 1651.91 | -0.18 | 410-424 | |
| | | | | 1795.58 | 1794.82 | -0.44 | 346-360 | |
| | | | | 2424.24 | 2424.81 | -0.57 | 373-392 | |
| | | | | 3408.34 | 3407.77 | 0.57 | 290-318 | |
| | 5 peaks match with ribosome L6 | human | Q02878 (Swiss-Prof) | 1140.36 | 1140.23 | 0.15 | 114-122 | 16 |
| | | | | 1526.88 | 1526.88 | 0.02 | 141-155 | |
| | | mouse | P47911 (Swiss-Prof) | 1059.15 | 1059.12 | 0.03 | 10-20 | |
| | | | | 1145.36 | 1145.35 | 0.01 | 262-271 | |
| | | | | 1395.74 | 1396.68 | 0.06 | 280-271 | |
| 18 | 4 peaks match with TGF-β2 | human | P08172 (Swiss-Prof) | 1101.20 | 1101.26 | -0.06 | 303-311 | 52 |
| | | | | 1175.26 | 1175.42 | -0.16 | 400-409 | |
| | | | | 2240.37 | 2240.80 | -0.23 | 312-328 | |
| | | | | 2691.70 | 2691.91 | -0.21 | 340-382 | |
| | 5 peaks match with SPP24 | bovine | Q27967 (Swiss-Prof) | 1410.93 | 1411.60 | -0.67 | 42-53 | 30 |
| | | | | 1447.59 | 1447.65 | -0.06 | 113-124 | |
| | | | | 1540.84 | 1540.80 | 0.04 | 88-98 | |
| | | | | 1869.10 | 1869.05 | 0.05 | 62-77 | |
| | | | | 2268.47 | 2268.57 | -0.10 | 33-53 | |

Figure 16E Identification of Proteins by Mass Spectrometry of Tryptic Fragments from 1D Gels

| Band | Mass Spec Profile | Species | Acc. No. | Mass Spec Data | Mass Spec Database | Mass Difference | AAs | % Coverage | Comments |
|------|---|---------|----------------------------|----------------|--------------------|-----------------|---------|------------|--|
| 22 | 5 peaks match with TGF- β 2 | human | P08112 (Swiss- Prot) | 1101.15 | 1101.26 | -0.11 | 303-311 | 63 | |
| | | | | 1175.13 | 1175.42 | 0.28 | 400-409 | | |
| | | | | 2084.16 | 2084.42 | -0.26 | 312-347 | | |
| | | | | 2240.25 | 2240.60 | -0.35 | 312-328 | | |
| | | | | 2691.61 | 2691.91 | -0.30 | 340-362 | | |
| | 2 peaks match with SPP24 | bovine | Q27967 (Swiss- Prot) | 1411.23 | 1411.60 | -0.37 | 42-53 | 11 | |
| | | | | 1447.40 | 1447.65 | -0.25 | 113-124 | | |
| 25 | 5 peaks match with histone H1x | human | JG4928 (PIR) | 1208.46 | 1208.40 | 0.06 | 46-57 | 14 | |
| | | | | 1221.71 | 1222.35 | -0.64 | 107-118 | | |
| | | | | 1349.85 | 1350.52 | -0.67 | 107-119 | | |
| | | | | 1384.57 | 1384.59 | -0.02 | 46-56 | | |
| | | | | 1732.23 | 1732.97 | -0.74 | 43-57 | | |
| | 5 peaks match with BMP-3 | human | 455771 (NCBI) | 1060.43 | 1060.20 | 0.23 | 102-111 | 31 | % coverage calculation is relative to the mature BMP- 3, 183 AAS (290-472) |
| | | | | 1438.63 | 1438.58 | 0.25 | 346-357 | | |
| | | | | 1566.92 | 1566.76 | 0.16 | 345-357 | | |
| | | | | 1651.80 | 1651.91 | -0.11 | 410-424 | | |
| | | | | 3408.86 | 3407.77 | 1.09 | 290-318 | | |

Figure 16F Identification of Proteins by Mass Spectrometry of Tryptic Fragments from 1D Gels

| Band | Mass Spec Profile | Species | Acc. No. | Mass Spec Data | Mass Spec Database | Mass Difference | AAS | % Coverage | Comments |
|------|--------------------------|---------|---------------|----------------|--------------------|-----------------|---------|------------|---|
| 29 | 4 peaks match with BMP-3 | human | 4557371 (NCB) | 1113.22 | 1113.31 | -0.09 | 361-368 | 27 | % coverage calculation is relative to the mature BMP-3, 163 AAS (29D-472) |

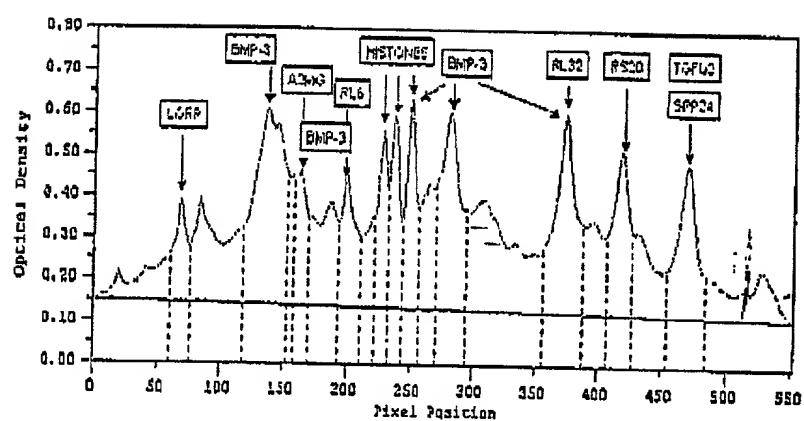


FIGURE 17A



FIGURE 17B

Figure 18 Quantitation of Identified BP proteins

| Identified Protein | Percentage of Total Protein |
|------------------------|-----------------------------|
| LORP | 2 |
| BMP-3 | 11 |
| BMP - 3 & A2-MG | 3 |
| RL6 & BMP-3 | 4 |
| Histone | 3 |
| Histone | 3 |
| Histone & BMP-3 | 4 |
| BMP-3 | 8 |
| RL32 & BMP-3 | 8 |
| RS20 | 5 |
| SPP24 & TGF- β 2 | 6 |
| Total | 58% |

Figure 124: Identification of Proteinatory Mass Spectrometry of Fragments from 2D Gels

| Spot | Digest | Mass Spec Profile | Species | Acc. No. | MS Peaks Data | Database | Diff | As | % Coverage | Comments |
|------|---------|---|---------|-----------------------|---------------|----------|-----------|---------|------------|--|
| 1 | Lys-C | 2 peaks match with Coagulation Factor XIIIa | Human | P05160 (Swiss-Prot) | 1837.01 | 1837.14 | -0.13 | 472-487 | 8 | |
| | | | | | 1921.65 | 1921.14 | 0.51 | 388-382 | | |
| | | | | | 2679.51 | N/A | 4.86-5.04 | | | peptide match confirmed by sequence analysis |
| 2 | Trypsin | 2 peaks match with LORP | Human | NP002309 (Swiss-Prot) | 1609.57 | 1609.86 | -0.31 | 241-253 | 5 | |
| 3 | Lys-C | 8 peaks match with Cathepsin L Precursor | Bovine | P25975 (Swiss-Prot) | 2410.89 | 2410.63 | 0.26 | 645-659 | | |
| | | | | | 1407.26 | 1406.80 | 0.46 | 105-116 | 41 | |
| | | | | | 1546.84 | 1546.70 | 0.14 | 58-70 | | |
| | | | | | 1861.16 | 1680.80 | 0.36 | 21-33 | | |
| | | | | | 1681.86 | 1680.80 | 1.06 | 301-314 | | |
| | | | | | 1834.71 | 1834.60 | 0.71 | 316-334 | | |
| | | | | | 2352.90 | 2351.50 | 1.40 | 274-285 | | |
| | | | | | 2381.50 | 2380.70 | 0.80 | 239-261 | | |
| | | | | | 2721.51 | 2721.10 | 0.41 | 131-154 | | |

Figure 7C Identification of Proteins by Mass Spectrometry of Fragments from 2D Gels

| Spot | Digest | Mass Spec Profile | Species | Acc. No. | MS Peaks | AAs | % Coverage | Comments |
|------|---------|-----------------------------------|---------|--------------------|--------------------|--------------------|----------------|----------------|
| 7 | Ly5-C | 4 peaks match with TGF- β 2 | Bovine | P21214 (Swiss-Pro) | 774.56 809.69 | 774.90 809.94 | -0.34 -0.25 | 26-31 32-37 |
| | | | | | 1175.12 3166.10 | 1175.43 3166.66 | -0.31 1.44 | 98-107 1-25 |
| | | | | | 2167.77 | 2187.51 | 0.26 | 42-60 |
| | | | | | | | | 10 |
| B | Trypsin | 12 peaks match with fibosome [3] | Bovine | P39872 (Swiss-Pro) | 917.39 | 917.14 | 0.25 | 348-355 |
| | | | | | 984.23 | 984.15 | 0.08 | 10-18 |
| | | | | | 1192.62 | 1192.40 | 0.22 | 286-296 |
| | | | | | 1360.87 | 1380.65 | 0.62 | 249-260 |
| | | | | | 1464.80 | 1464.63 | 0.17 | 103-114 |
| | | | | | 1620.86 | 1620.82 | 0.04 | 103-115 |
| | | | | | 1778.84 | 1770.60 | -0.16 | 34-49 |
| | | | | | 2238.43 | 2238.55 | -0.12 | 30-49 |
| | | | | | 2325.98 | 2325.65 | 0.34 | 177-197 |
| | | | | | 2561.31 | 2561.24 | 0.27 | 200-223 |
| | | | | | 2897.94 | 2898.43 | -0.49 | 70-98 |
| | | | | | 2946.10 | 2946.35 | -0.25 | 198-223 |

Figure 7D Identification of Proteins by Mass Spectrometry of Fragments from 2D Gels

| Spot | Digest | Mass Spec Profile | Species | Acc. No. | MS Peaks | Database | Diff | AAS | % Coverage | Comments |
|------|---------|---------------------|---------|---------------------|----------|----------|-------|---------|------------|----------|
| 9 | Trypsin | 7 peaks match S3a | Mouse | P97351 (Swiss-Proj) | 920.05 | 920.10 | -0.05 | 19.26 | 29 | |
| | | | | | 1218.29 | 1218.31 | -0.02 | 152-161 | | |
| | | | | | 1346.52 | 1346.49 | 0.13 | 151-161 | | |
| | | | | | 1516.69 | 1516.69 | 0.00 | 174-186 | | |
| | | | | | 1593.72 | 1593.82 | -0.10 | 94-106 | | |
| | | | | | 1719.91 | 1720.00 | -0.09 | 199-212 | | |
| | | | | | 1953.12 | 1953.16 | -0.04 | 65-81 | | |
| 10 | Trypsin | 14 peaks match H1.c | Human | 876658 (NCBI) | 1321.75 | 1321.86 | 0.19 | 24.46 | 23 | |
| | | | | | 1579.70 | 1579.71 | -0.01 | 65-79 | | |
| | | | | | 1707.65 | 1707.89 | -0.24 | 64-79 | | |
| | | | | | 2147.17 | 2147.53 | -0.36 | 1-21 | | |
| 11 | Trypsin | 6 peaks match S4 | Human | P12750 (Swiss-Proj) | 1163.48 | 1168.36 | 0.10 | 230-239 | 1 | 23 |
| | | | | | 1216.39 | 1216.39 | 0.00 | 134-144 | | |
| | | | | | 1354.03 | 1353.61 | 0.42 | 230-241 | | |
| | | | | | 1507.81 | 1507.68 | 0.12 | 198-210 | | |
| | | | | | 1557.75 | 1557.98 | -0.23 | 37-48 | | |
| | | | | | 2140.34 | 2140.58 | -0.24 | 221-239 | | |
| | | | | | 2591.60 | 2591.90 | -0.10 | 77-98 | | |